



Product Datasheet

Product Name Plasmodium Falciparum Cs Mosaic Recombinant

Cata No CB500799

Source

Synonyms

Description

Plasmodium falciparum is a protozoan parasite, one of the species of Plasmodium that cause malaria. Malaria parasites are members of the Apicomplexa. Apicomplexa are characterized by a set of organelles found in some stages of the parasite's life cycle. These organelles, collectively known as apical organelles because of their localization at one end of the parasite, are involved in interactions between the parasite and host. In particular, the apical organelles have been implicated in the process of host cell invasion. In the case of Plasmodium, three distinct invasive forms have been identified: sporozoite, merozoite, and ookinete. The E.Coli derived recombinant protein contains the Plasmodium Falciparum Cs Mosaic protein epitopes 107-129, 334-351 amino acids.

Purity

Plasmodium Falciparum is >95% pure as determined by 10% PAGE (Coomassie staining) and RP-HPLC.

Formulation

150mM Imidazole, pH 8.0, 150mM NaCl, 25mM Sodium Phosphate and 50% glycerol.

Stability

Five years frozen. One month in solution at room temperature.

Applications

Use as an antigen in ELISA and Western Blots.